APPENDIX D Serial No.: 09/640,838 Claims as Presently Pending

- 4. (Reiterated) The conjugate of Claim 15, wherein the chemotherapeutic agent is an antibiotic.
- 5. (Reiterated) The conjugate of Claim 15, wherein the chemotherapeutic agent is an antimetabolite.
- 15. (Reiterated) A conjugate useful for treating a disease selected from the group consisting of tumoral, infectious, and autoimmune disease in a subject comprising:

an active substance useful for treating said disease selected from the group consisting of a chemotherapeutic agent and a photoactive compound; a native human serum albumin that is not regarded as exogenous by the subject; and

a linker linking said active substance to said albumin, wherein said linker can be cleaved intracellularly, and wherein said linker comprises an azo group.

- 17. (Reiterated) The conjugate of Claim 15, wherein several active substances useful for treating said disease are linked to said albumin through one or more linkers.
- 18. (Reiterated) The conjugate of Claim 15, wherein the linker has the following structure:

-Y-R-N=N-

wherein:

R is an aromatic compound, and

Y is selected from the group consisting of C(O), S(O)₂, P(O)OH and As(O)OH.

- 20. (Reiterated) The conjugate of Claim 15, wherein the conjugate comprises 4-aminophenylsulphonic acid or 4-aminophenylphosphonic acid and albumin.
- 21. (Reiterated) The conjugate of Claim 15, wherein the conjugate comprises cytidine.
- 22. (Reiterated) The conjugate according to Claim 15, wherein the conjugate comprises tetracycline.
- 23. (Reiterated) A process for the preparation of the conjugate of Claim 15, comprising binding an active substance selected from the group consisting of a chemotherapeutic agent and a photoactive compound useful for treating a disease selected from the group consisting of tumoral, infectious, and autoimmune disease to a native human serum albumin that is not regarded as exogenous by the subject, by means of a linker containing an azo group.
- 24. (Reiterated) A method of treating a disease selected from the group consisting of tumoral, infectious, and autoimmune disease, comprising administering the conjugate of Claim 15 in an amount effective to ameliorate the symptoms of said disease.
- 25. (Reiterated) The conjugate of Claim 15, wherein several active substances are present.

26. (Reiterated) The conjugate of Claim 15, wherein the linker has the following structure:

wherein:

R is an aromatic compound, and

Y is a group selected from the group consisting of C(O), S(O)₂, P(O)OH and As(O)OH.

27. (Reiterated) The conjugate according to Claim 17, wherein the linker has the following structure:

$$-Y-R-N=N-$$

wherein:

R is an aromatic compound, and

Y is a group selected from the group consisting of C(O), S(O)₂, P(O)OH and As(O)OH.

- 30. (Reiterated) The process of Claim 23, wherein said binding comprises the formation of an ester.
- 31. (Reiterated) The conjugate of Claim 4, wherein the antibiotic comprises a tetracycline.
- 32. (Reiterated) The conjugate of Claim 5, wherein the antimetabolite comprises a methotrexate.
- 33. (Reiterated) The conjugate of Claim 5, wherein the antimetabolite comprises a sulfonamide.

- 34. (Reiterated) The conjugate of Claim 5, wherein the antimetabolite comprises a nucleoside that inhibits the replication or transcription of a nucleic acid into which it is incorporated.
- 35. (Reiterated) The conjugate of Claim 15, wherein the active substance comprises an acid group.
- 36. (Reiterated) The conjugate of Claim 35, wherein the acid group is selected from the group consisting of -CO₂H, -SO₃H, -PO₃H₂, and -AsO₃H₂.
- 37. (Reiterated) The conjugate of Claim 15, wherein the active substance is selected from the group consisting of 4-aminobenzoic acid, 2-aminobenzoic acid, 4-aminophenylsulphonic acid, 2-aminophenylsulphonic acid, 4-aminophenylphosphonic acid, 4-aminophenylphosphonic acid, 4-aminophenylarsonic acid, and 2-aminophenylarsonic acid.
- 38. (Reiterated) The conjugate of Claim 15, wherein the active substance is selected from the group consisting of a deoxyuridine, a deoxycytidine, a cytosine arabinoside, a 5-fluorouracil, a 5-fluorodeoxyuridine, and an azidothymidine.
- 39. (Reiterated) The conjugate of Claim 15, wherein the photoactive compound comprises a porphyrine.
- 40. (Reiterated) The conjugate of Claim 15, wherein the photoactive compound is selected from the group consisting of a chlorine and a bacteriochlorine.
- 42. (Reiterated) The conjugate of Claim 18, 26 or 27, wherein the aromatic group comprises a phenylene.

43. (Reiterated) The conjugate of Claim 18, 26 or 27, wherein the aromatic group comprises a derivative of phenylene.